

Red Hat OpenShift Development II: Containerizing Applications («DO288»)

Learn to design, build, and deploy containerized applications on an OpenShift cluster.

Duration: 4 days

Price: 3'700.–

Vendor code: DO288

Content

Red Hat® OpenShift Container Platform provides developers an enterprise-ready solution for developing and deploying containerized software applications. Red Hat OpenShift Development II: Containerizing Applications provides hands-on training to boost developer productivity powered by Red Hat OpenShift Container Platform.

- **Deploy and manage applications on an OpenShift cluster**
 - Deploy applications using various application packaging methods to an OpenShift cluster and manage their resources
- **Design containerized applications for OpenShift**
 - Select a containerization method for an application and create a container to run on an OpenShift cluster
- **Publish enterprise container images**
 - Create an enterprise registry and publish container images to it
- **Manage building applications**
 - Describe the OpenShift build process, in addition to triggering and managing builds
- **Customize source-to-image builds**
 - Customize an existing S2I base image and create a new one
- **Create applications from OpenShift templates**
 - Describe the elements of a template and create a multicontainer application template
- **Manage application deployments**
 - Monitor application health and implement various deployment methods for cloud-native applications
- **Implement CI/CD pipelines in OpenShift**
 - Create and deploy Jenkins pipelines to facilitate continuous integration and continuous deployment (CI/CD) with OpenShift
- **Build cloud-native applications on OpenShift**
 - Create and deploy cloud-native applications on OpenShift

Key Learnings

- Managing and triggering application builds
- Customizing an existing source-to-image base image
- Creating an OpenShift template
- Creating health checks to monitor and improve application reliability
- Creating and deploying a Jenkins pipeline for continuous integration and continuous deployment
- Creating and deploying cloud-native application for OpenShift

Target audience

This course is aimed at enterprise application developers as well as site reliability engineers.

Requirements

- Have completed the [Introduction to Containers, Kubernetes, and Red Hat OpenShift course \(DO180\)](#), or have equivalent knowledge
- Being a [Red Hat Certified System Administrator](#) or having earned a higher certification is helpful for navigation and usage of the command line, but is not required
- [Red Hat OpenShift Admin I: Operating a Production Cluster \(«DO180»\)](#)
- [Getting Started with Linux Fundamentals \(«RH104»\)](#)
- [Red Hat OpenShift Development I: Intro to Containers with Podman \(«DO188»\)](#)

Additional information

This course is based on Red Hat OpenShift Container Platform 4.2.

Further courses

- [Building Resilient Microservices with Istio and Red Hat OpenShift Service Mesh \(«DO328»\)](#)
- [Red Hat Certified Specialist in OpenShift Application Development Exam \(«EX288»\)](#)

Any questions?

We are happy to advise you on +41 44 447 21 21 or info@digicomp.ch. You can find detailed information about dates on www.digicomp.ch/courses-it-provider/red-hat/red-hat-open-shift/course-red-hat-openshift-development-ii-containerizing-applications-do288